

| Form PTO-1449 (MODIFIED) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. 016907-1248 | | SERIAL NO. To Be Assigned | | |
|--|-----|--|------------|---------------------------------|-------|------------------------------|--|----|
| INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) | | | | APPLICANT Gaku TAKANO et al. | | | | |
| | | | | FILING DATE August 6, 2001 | | GROUP ART UNIT Unassigned | | |
| U.S. PATENT DOCUMENTS | | | | | | | | |
| EXAMINER INITIAL | REF | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB- CLASS | FILING DATE IF APPROPRIATE | |
| <i>[Signature]</i> | A1 | 5,708,514 | 01/13/1998 | Higuchi et al. | 358 | 458 | <div style="writing-mode: vertical-rl; transform: rotate(180deg);"> 1040 U.S. PTO 09/21/97 08/06/01 </div> | |
| | A2 | 4,977,464 | 12/11/1990 | Ikuta | 358 | 448 | | |
| | A3 | 6,069,636 | 05/30/2000 | Sayuda et al. | 345 | 433 | | |
| <i>[Signature]</i> | | 6377361 | 4-23-02 | Sakane et al | 358 | 1.9 | | |
| U.S. PATENT APPLICATION DOCUMENTS | | | | | | | | |
| EXAMINER INITIAL | REF | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB- CLASS | FILING DATE IF APPROPRIATE | |
| <i>[Signature]</i> | A4 | 09/228,956 | 4-23-02 | Sakane et al | 358 | 1.9 | 01/12/1999 | |
| FOREIGN PATENT DOCUMENTS | | | | | | | | |
| | REF | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB- CLASS | TRANSLATION | |
| | | | | | | | YES | NO |
| <i>[Signature]</i> | A5 | 2-136255 | 05/24/1990 | Japan | H04N | 1/40 | Abstract | |
| | A6 | 9-172537 | 06/30/1997 | Japan | | | Abstract | |
| | | | | | | | | |
| | | | | | | | | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | | |
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| <i>[Signature]</i> | | | | 3-6-05 | | | | |
| * EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include any copy of this form with next communication to applicant. | | | | | | | | |